Attorney's Ocket No. B-4258CIP 619319-4/RPB

ORIGINALLY FILED **PATENT**

COMBINED DECLARATION AND POWER OF ATTORNEY

SESSIGN, NATIONAL STAGE OF PCT, SUPPLEMENTAL, DIVISIONAL, CONTINUATION, OR CIP)

PADEMARKO	
As a below n	amed inventor, I hereby declare that:
	TYPE OF DECLARATION
This declarat	ion is of the following type: (check one applicable item below)
[X]	
	design
r i	cupplemental
NOTE: If to continuation	he declaration is for an International Application being filed as a divisional, or continuation-in-part application, do <u>not</u> check next item; check appropriate
one of last th	
NOTE: If one	national stage of PCT of the following 3 items apply, then complete and also attach ADDED PAGES FOR CONTINUATION, OR CIP.
1	divisional
	continuation
įxj	continuation-in-part (CIP)
-	TO THE TOTAL PROPERTY OF THE PARTY OF THE PA
WARNING:	INVENTORSHIP IDENTIFICATION If the inventors are each not the inventors of all the claims an explanation of the facts, including the ownership of all the claims at the time the last claimed invention was made, should be submitted.
believe I an	re, post office address and citizenship are as stated below next to my name. In the original, first and sole inventor (if only one name is listed below) or an st and joint inventor (if plural names are listed below) of the subject matter med and for which a patent is sought on the invention entitled:
	TITLE OF INVENTION
"MANUFA	ACTURING TEST FOR A FAULT TOLERANT MAGNETORESISTIVE SOLID- STATE STORAGE DEVICE"
	SPECIFICATION IDENTIFICATION
the specific	ation of which: (complete (a), (b) or (c))
(a)	[X] is attached hereto. [] was filed on as [] Serial No
(0)	or [] Express Mail No., as Serial No. not yet known,
	and was amended on(if applicable).
	•
new Acc in tl enc	endments filed after the original papers are deposited with the PTO which contain matter are not accorded a filing date by being referred to in the declaration ordingly, the amendments involved are those filed with the application papers or, the case of a supplemental declaration, are those amendments claiming matter not ompassed in the original statement of invention or claims. See 37 CFR 1.67.
(c)	[] was described and claimed in PCT International Application No filed on as amended under PCT Article 19 (1)
	on (if any).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code Federal Regulations § 1.56.

[] In compliance with this duty there is attached an information disclosure statement 37 CFR 1.97.

PRIORITY CLAIM

I hereby claim foreign priority benefits under Title 35, United States Code, § 119 of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign applications(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

(complete (d) or (e))

(d) [] no such applications have been filed.

(e) [] such applications have been filed as follows.

NOTE: Where item (c) is entered above and the International Application which designated the U.S. claimed priority check item (e), enter the details below and make the priority claim.

EARLIEST FOREIGN APPLICATION(S), IF ANY, FILED WITHIN 12 MONTHS (6 MONTHS FOR DESIGN(S)) PRIOR TO THIS U.S. APPLICATION

COUNTRY	APPLICATION NUMBER	DATE OF FILING (day, month, year)	PRIORITY CLAIMED UNDER 37 USC 119
			[]YES []NO
			[]YES []NO
			[]YES []NO
	-		[] YES [] NO
			[]YES []NO

ALL FOREIGN APPLICATION(S), IF ANY FILED MORE THAN 12 MONTHS (6 MONTHS FOR DESIGN(S)) PRIOR TO THIS U.S. APPLICATION

POWER OF ATTORNEY



As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. (List name and registration number)

Richard P. Berg, Reg. No. 28,145 Mavis S. Gallenson, Reg. No. 32,464 Kam C. Louie, Reg. No. 33,008 Ross A. Schmitt, Reg. No. 42,529

John Palmer, Reg. No. 36,885 Peter D. Galloway, Reg. No. 27, 885 William R. Evans, Reg. No. 25, 858

(check the following item, if applicable)

[] Attached as part of this declaration and power of attorney is the authorization of the above-named attorney(s) to accept and follow instructions from my representative(s).

SEND CORRESPONDENCE TO:

DIRECT TELEPHONE CALLS TO: (Name and telephone number)

HEWLETT-PACKARD COMPANY Intellectual Property Administration P.O. Box 272400 Fort Collins, Colorado 80527-2400

Richard P. Berg, Reg. No. 28,145

(323) 934-2300

DECLARATION

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are belleved to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

SIGNATURE(S)

Full name of sole or first inventor
Full name of sole or first inventor Vames A Davis
Inventor's signature
Inventor's signature Country of Citizenship U.S.A.
Residence 2214 Grainmill Court Richmond, Virginia 23233, U.S.A.
Post Office Addresssame as residence
Full name of second joint inventor, if any <u>Jonathan Jedwab</u>
Inventor's signature
Date Country of Citizenship Great Britain
Residence Flat 17 Parklands 27 Tyndalls Park Road Bristol, England BS8 IPQ
Post Office Addresssame as residence
Full name of third joint inventor, if any Stephen Morley
Inventor's signature
Date Country of Citizenship Great Britain
Residence 17 Hopkins Close Thornbury Bristol BS35 2PX GB
Post Office Addresssame as residence

(Declaration and Power of Attorney - Page 3 of 5)

Il name of fourth Inventor, if any Kenneth Graham Paters	—
ventor's signature	
ate Country of Citizenship <u>Great Britain</u>	
esidence 13 Vicarage Road. Teddington, Middlesex TW11 8EZ UK	
ost Office Addresssame as residence	_
ull name of fifth joint Inventor, if any <u>Frederick A. Perner</u>	
ate Country of CitizenshipU.S.A.	
esidence 3234 Ramona St. Palo Alto. California 94306, U.S.A.	
ost Office Address <u>same as residence</u>	_
ull name of sixth joint inventor, if any <u>Kenneth K. Smith</u>	
ventor's signature Country of CitizenshipU.S.A	
ateCountry of Citizenship	
esidence11776 W. Rader Dr. Boise, Idaho 83713, U.S.A.	
ost Office Addresssame as residence	_
ull name of seventh joint inventor, if any <u>Stewart R. Wyatt</u>	
ventor's signature	
ate Country of CitizenshipU.S.A.	
esidence 10476 Barnsdale Dr. Boise, Idaho 83704, U.S.A.	
oct Office Address same as residence	

CHECK PRORES(ES) FOR ANY OF THE FOLLOWING DDED PAGES(S) WHICH FORM A PART OF THIS DECLARATION

	[X]	Signature for third and subsequent joint inventors. Number of pages added _1_
010		Signature by administrator(trix), executor(trix) or legal representative for deceased or incapacitated inventor. Number of pages added
	y_{i-1}	Signature for inventor who refuses to sign or cannot be reached by person authorized
DEMARK OFF		under 37 CFR 1.47. Number of pages added
		. •••
	[X]	Added pages to combined declaration and power of attorney for divisional,
		continuation-in-part (CIP) application. Number of pages added1
		• • •
	[]	Authorization of attorney(s) to accept and follow instructions from representative.
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		urther pages form a part of this Declaration then end this Declaration with ge and check the following item.
*	Ţ] This declaration ends with this page.
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ADDED PA TO COMBINED DECLARATION AND POW OF ATTORNEY FOR DIVISIONAL, CONTINUATION, OR CIP APPLICATION

(Complete this part only if this is a divisional, continuation, or CIP application)

LAIM FOR BENEFIT OF EARLIER U.S./PCT APPLICATION(S) UNDER 35 U.S.C. 120

hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56 which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application.

PRIOR U.S. APPLICATIONS OR PCT INTERNATIONAL APPLICATIONS DESIGNATING THE U.S. FOR BENEFIT UNDER 35 USC 120:

	THE WATER	APPAKOANOUSA	STA	TUS (Check	one)
1	U.S. APPLICATIONS	U.S. FILING DATE	Patented	Pending	Aban- doned
1.	09 /915,179	25 July 2001		х	
2.	0 /				<u> </u>
3.	0 /				<u> </u>

	(if	U.S. SERIAL NOS. ASSIGNED (if any)	PCT FILING DATE	PCT APPLICATION NO.
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5.				5.

(Added Page to Combined Declaration and Power of Attorney for Divisional Continuation, or CIP Application)

COPY OF PAPERS

Attorney's Docket No. B-4258CIP 619319-4/RPB COMBINED DECLARATION AND POWER OF ATTORNEY (ORIGINAL, DESIGN, NATIONAL STAGE OF PCT, SUPPLEMENTAL, DIVISIONAL, CONTINUATION, OR CIP) As a below named inventor, I hereby declare that: TYPE OF DECLARATION This declaration is of the following type: (check one applicable item below) [X] original [] design] supplemental NOTE: If the declaration is for an International Application being filed as a divisional, continuation or continuation-in-part application, do not check next item; check appropriate one of last three items. [] national stage of PCT NOTE: If one of the following 3 items apply, then complete and also attach ADDED PAGES FOR DIVISIONAL, CONTINUATION, OR CIP. [] divisional] continuation [X] continuation-in-part (CIP) INVENTORSHIP IDENTIFICATION If the inventors are each not the inventors of all the claims an explanation of the facts, including the ownership of all the claims at the time the last **WARNING:** claimed invention was made, should be submitted. My residence, post office address and citizenship are as stated below next to my name. I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: TITLE OF INVENTION "MANUFACTURING TEST FOR A FAULT TOLERANT MAGNETORESISTIVE SOLID-STATE STORAGE DEVICE" SPECIFICATION IDENTIFICATION the specification of which: (complete (a), (b) or (c)) (a) [X] is attached hereto. ____ as [] Serial No. _ (b)[] was filed on _____ or [] Express Mail No., as Serial No. not yet known, ___ and was amended on _____(if applicable). NOTE: Amendments filed after the original papers are deposited with the PTO which contain new matter are not accorded a filing date by being referred to in the declaration. Accordingly, the amendments involved are those filed with the application papers or, in the case of a supplemental declaration, are those amendments claiming matter not encompassed in the original statement of invention or claims. See 37 CFR 1.67. (c) [] was described and claimed in PCT International Application No. _ as amended under PCT Article 19 (1) on ___ (if any).

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(Declaration and Power of Attorney - Page 1 of 5)

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(complete (d) or (e))

(d) [] no such applications have been filed.

(e) [] such applications have been filed as follows.

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EARLIEST FOREIGN APPLICATION(S), IF ANY, FILED WITHIN 12 MONTHS (6 MONTHS FOR DESIGN(S)) PRIOR TO THIS U.S. APPLICATION

•			
COUNTRY	APPLICATION NUMBER	DATE OF FILING (day, month, year)	PRIORITY CLAIMED UNDER 37 USC 119
			[] YES [] NO
			[]YES []NO
			[]YES []NO
			[]YES []NO
			[]YES []NO

ALL FOREIGN APPLICATION(S), IF ANY FILED MORE THAN 12 MONTHS (6 MONTHS FOR DESIGN(S)) PRIOR TO THIS U.S. APPLICATION

POWER OF ATTORNEY





As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. (List name and registration number)

Richard P. Berg, Reg. No. 28,145 Mavis S. Gallenson, Reg. No. 32,464 Kam C. Louie, Reg. No. 33,008 Ross A. Schmitt, Reg. No. 42,529

John Palmer, Reg. No. 36,885 Peter D. Galloway, Reg. No. 27, 885 William R. Evans, Reg. No. 25, 858

(check the following item, if applicable) [] Attached as part of this declaration and power of attorney is the authorization of the above-named attorney(s) to accept and follow instructions from my representative(s). DIRECT TELEPHONE CALLS TO: (Name and telephone number)

SEND CORRESPONDENCE TO: HEWLETT-PACKARD COMPANY Intellectual Property Administration P.O. Box 272400 Fort Collins, Colorado 80527-2400

Richard P. Berg, Reg. No. 28,145

(323) 934-2300

I hereby declare that all statements made herein of my own knowledge are true and that all DECLARATION statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

SIGNATURE(S)

Full name of sole or first inventorJames A. Davis
Inventor's signatureCountry of CitizenshipU.S.A.
Post Office Address same as residence
Full name of second joint inventor, if any
Inventor's signature Country of Citizenship Great Britain Date Book Book Bristol, England BS8 IPQ
Size 47 Portlands 27 Tyndalls Pain Hoad Eligibi.
Post Office Addresssame as residence
Full name of third joint Inventor, if any Stephen Morley
Inventor's signature Country of Citizenship <u>Great Britain</u> Date Printal RS35 2PX GB
47 Harking Close Thornbury Bristor Bood Er A East
Post Office Addresssame as residence

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(Declaration and Power of Attorney - Page 3 of 5)

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Determine
Inventor's signature Kenneth Graham Paters
Parad Toddington Middlesex [W11 8EZ UK
Post Office Address same as residence
Full name of fifth joint inventor, if any Frederick A. Perner
Inventor's signature
Inventor's signature Country of Citizenship U.S.A.
- C. Boio Alto, California 94500, V.V.O.
Post Office Addresssame as residence
Full name of sixth joint inventor, if any Kenneth K. Smith Inventor's signature
Country of Citizenship U.G.D.
DateCountry of Grazentary
Residence 11776 W. Rader Ur. Boise, Idailo 35715, Cr.
Post Office Address same as residence
Full name of seventh joint inventor, if any Stewart R. Wyatt
Inventor's signature
Inventor's signature Country of Citizenship U.S.A.
10.70 Remodele Dr. Roise, Idano 83/04, 0.0.0
Residence 104/6 Barrisdale Dr. Boros University Post Office Address same as residence

CHECK PROTEST BOX(ES) FOR ANY OF THE FOLLOWING DDED PAGES(S) WHICH FORM A PART OF THIS DECLARATION

[X] Signature for third and subsequent joint inventors. Number of pages added _1_
[] Signature by administrator(trix), executor(trix) or legal representative for deceased or incapacitated inventor. Number of pages added
[] Signature for inventor who refuses to sign or cannot be reached by person authorized under 37 CFR 1.47. Number of pages added
• • •
[X] Added pages to combined declaration and power of attorney for divisional, continuation-in-part (CIP) application. Number of pages added
[] Authorization of attorney(s) to accept and follow instructions from representative.
If no further pages form a part of this Declaration then end this Declaration with this page and check the following item.
[] This declaration ends with this page.

ADDED PATTO COMBINED DECLARATION AND POW FOR DIVISIONAL, CONTINUATION, OR CIP APPLICATION

(Complete this part only if this is a divisional, continuation, or CIP application)

CLAIM FOR BENEFIT OF EARLIER U.S./PCT APPLICATION(S) UNDER 35 U.S.C. 120

reeby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) or PCT international application(s) designating the United States of America that Is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56 which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application.

PRIOR U.S. APPLICATIONS OR PCT INTERNATIONAL APPLICATIONS DESIGNATING THE U.S. FOR BENEFIT UNDER 35 USC 120:

		STA	STATUS (Check one)		
U.S. APPLICATIONS	U.S. FILING DATE	Patented	Pending	Aban- doned	
09 /915,179	25 July 2001		Х		
0 /			 	-	
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THE STANFILL GARDING	Michiel Color	and Oska		
PCT APPLICATION NO.	PCT FILING DATE	U.S. SERIAL NOS. ASSIGNED (if any)		
4.				
5.				

(Added Page to Combined Declaration and Power of Attorney for Divisional Continuation, or CIP Application)

Attorney's Docket No. B-4258CIP 619319-4/RPB
COMBINED DECLARATION AND POWER OF ATTORNEY ORIGINAL, DESIGN, NATIONAL STAGE OF PCT, SUPPLEMENTAL, DIVISIONAL, CONTINUATION, OR CIP)
As a below named inventor, I hereby declare that:
TYPE OF DECLARATION
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NOTE: If the declaration is for an International Application being medical NOTE: If the declaration is for an International Application being medical notation or continuation-in-part application, do not check next item; check appropriate continuation or continuation-in-part application, do not check next item; check appropriate
one of last three items.
NOTE: If one of the following 3 items apply, then complete and also altern yields
DIVISIONAL, CONTINUATION, OA OIF.
divisional continuation
[X] continuation-in-part (CIP)
A TOWN ADDITION
the inventors of all the Claims all explanation of
the facts including the OWNERSHIP of all the statute
claimed invention was made, should be submitted.
My residence, post office address and citizenship are as stated below next to my name. I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:
TITLE OF INVENTION
"MANUFACTURING TEST FOR A FAULT TOLERANT MAGNETORESISTIVE SOLID- STATE STORAGE DEVICE"
SPECIFICATION IDENTIFICATION
the specification of which: (complete (a), (b) or (c))
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(Declaration and Power of Attorney - Page 1 of

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(complete (d) or (e))

(d)	١ ١	· ·	l no	such	applications	have	been	filed.
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COUNTRY	APPLICATION NUMBER	DATE OF FILING (day, month, year)	PRIORITY CLAIMED UNDER 37 USC 119	
			[] YES [] NO	
·			[]YES []NO	
			[] YES [] NO	
			[] YES [] NO	
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POWER OF ATTORNEY



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John Palmer, Reg. No. 36,885 Peter D. Galloway, Reg. No. 27, 885 William R. Evans, Reg. No. 25, 858

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SIGNATURE(S)

Full name of sole or first Inventor
nventor's signature
Date Country of Citizenship U.S.A.
Residence _2214 Grainmill Court Richmond, Virginia 23233. U.S.A.
Post Office Address <u>same as residence</u>
Full name of second joint inventor, if any <u>Jonathan Jedwab</u>
Inventor's signature
Date Country of CitizenshipGreat Britain
ResidenceFlat 17 Parklands 27 Tyndalls Park Road Bristol, England BS8 IPQ
Post Office Addresssame as residence
Full name of third joint Inventor, if any Stephen Morley Inventor's signature 5. Morley
Date 19 12 200 Country of Citizenship Great Britain
Date Therefore Bridge BS25 2PY GR
Residence 17 Hopkins Close Thornbury Bristol BS35 2PX GB
Post Office Addresssame as residence

(Declaration and Power of Attorney - Page 3 of 5)

full name of fourth inventor, if any Kenneth Graham Paterso
nventor's signature
Date Country of Citizenship Great Britain
Residence 13 Vicarage Road, Teddington, Middlesex TW11 8EZ UK
Post Office Addresssame as residence
Full name of fifth joint inventor , if any <u>Frederick A. Perner</u>
Date Country of Citizenship U.S.A.
Residence 3234 Ramona St. Palo Alto. California 94306, U.S.A.
Post Office Address same as residence
Full name of sixth joint inventor, if any <u>Kenneth K. Smith</u> Inventor's signature
Date Country of Citizenship U.S.A.
Residence11776 W. Rader Dr. Boise, Idaho 83713, U.S.A.
Post Office Addresssame as residence
Full name of seventh joint inventor, if any <u>Stewart R. Wyatt</u>
Inventor's signature
Date Country of Citizenship
Residence 10476 Barnsdale Dr. Boise, Idaho 83704, U.S.A.
Post Office Address same as residence

CHECK PROOF BOX(ES)-FOR ANY OF THE FOLLOWING DDED PAGES(S) WHICH FORM A PART OF THIS DECLARATION

[X] Signature for third and subsequent joint inventors. Number of pages added _1_
[] Signature by administrator(trix), executor(trix) or legal representative for deceased or incapacitated inventor. Number of pages added
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[] divisional[] continuation[X] continuation-in-part (CIP)
INVENTORSHIP IDENTIFICATION
WARNING: If the inventors are each not the inventors of all the claims an explanation of the facts, including the ownership of all the claims at the time the last claimed invention was made, should be submitted.
My residence, post office address and citizenship are as stated below next to my name. I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:
TITLE OF INVENTION
"MANUFACTURING TEST FOR A FAULT TOLERANT MAGNETORESISTIVE SOLID- STATE STORAGE DEVICE"
SPECIFICATION IDENTIFICATION
the specification of which: (complete (a), (b) or (c))
(a) (V) is attached hereto
(a) [X] is attached noted: (b) [] was filed on as [] Serial No
or [] Express Mail No., as Serial No. not yet known,
and was amended on(if applicable).
NOTE: Amendments filed after the original papers are deposited with the PTO which contain new matter are not accorded a filing date by being referred to in the declaration Accordingly, the amendments involved are those filed with the application papers or in the case of a supplemental declaration, are those amendments claiming matter no encompassed in the original statement of invention or claims. See 37 CFR 1.67.
(c) [] was described and claimed in PCT International Application No filed on as amended under PCT Article 19 (1) on (if any).

(Declaration and Power of Attorney - Page 1 of 5)

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code Federal Regulations § 1.56.

[] In compliance with this duty there is attached an information disclosure statement 37 CFR 1.97.

PRIORITY CLAIM

I hereby claim foreign priority benefits under Title 35, United States Code, § 119 of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign applications(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

(complete (d) or (e))

(d) [] no such applications have been filed.

e) [] such applications have been filed as follows.

NOTE: Where item (c) is entered above and the International Application which designated the U.S. claimed priority check item (e), enter the details below and make the priority claim.

EARLIEST FOREIGN APPLICATION(S), IF ANY, FILED WITHIN 12 MONTHS (6 MONTHS FOR DESIGN(S)) PRIOR TO THIS U.S. APPLICATION

APPLICATION NUMBER	DATE OF FILING (day, month, year)	PRIORITY CLAIMED UNDER 37 USC 119
		[]YES []NO
		[]YES []NO
		[]YES []NO
		[]YES []NO
		[] YES [] NO
	APPLICATION NUMBER	

ALL FOREIGN APPLICATION(S), IF ANY FILED MORE THAN 12 MONTHS (6 MONTHS FOR DESIGN(S)) PRIOR TO THIS U.S. APPLICATION

and the second contract the second contract to the second contract t

POWER OF ATTORNEY



As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. (List name and registration number)

Richard P. Berg, Reg. No. 28,145 Mavis S. Gallenson, Reg. No. 32,464 Kam C. Louie, Reg. No. 33,008 Ross A. Schmitt, Reg. No. 42,529

John Palmer, Reg. No. 36,885 Peter D. Galloway, Reg. No. 27, 885 William R. Evans, Reg. No. 25, 858

(check the following item, if applicable)

[] Attached as part of this declaration and power of attorney is the authorization of the above-named attorney(s) to accept and follow instructions from my representative(s).

SEND CORRESPONDENCE TO:

DIRECT TELEPHONE CALLS TO: (Name and telephone number)

HEWLETT-PACKARD COMPANY Intellectual Property Administration P.O. Box 272400 Fort Collins, Colorado 80527-2400

Richard P. Berg, Reg. No. 28,145

(323) 934-2300

DECLARATION

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

SIGNATURE(S)

Full name of sole or first inventor
Inventor's signature
Country of Citizenship U.S.A.
Residence 2214 Grainmill Court Richmond, Virginia 23233, U.S.A.
Post Office Addresssame as residence
Full name of second joint inventor, if any
Inventor's signature Seduct
Inventor's signature / Crost Britain
Date Spec 2001 Country of Citizenship Great Britain
ResidenceFlat 17 Parklands 27 Tyndalls Park Road Bristol, England BS8 IPQ
Post Office Addresssame as residence
Full name of third joint inventor, if any Stephen Morley
Inventor's signature
Date Country of Citizenship Great Britain
Date Country or
Residence17 Hopkins Close Thornbury Bristol BS35 2PX GB
Post Office Addresssame as residence

(Declaration and Power of Attorney - Page 3 of 5)

A Casham Rater
Full name of fourth and in entor, if any Kenneth Graham Pater
Inventor's signature
Country of Citizenship Great Britain
Residence 13 Vicarage Road, Teddington, Middlesex TW11 8EZ UK
Post Office Addresssame as residence
Full name of fifth joint inventor, if anyFrederick A. Perner
Invested a cignature
Country of CitizenshipU.S.A
Recidence 3234 Ramona St. Palo Alto, California 94306, U.S.A.
Post Office Addresssame as residence
Full name of sixth joint inventor, if any Kenneth K. Smith
Inventor's signature
Date Country of Citizenship U.S.A.
Residence11776 W. Rader Dr. Boise, Idaho 83713, U.S.A.
Post Office Addresssame as residence
Full name of seventh joint inventor, if any <u>Stewart R. Wyatt</u>
L value de pieneturo
Date Country of CitizenshipU.S.A
Residence10476 Barnsdale Dr. Boise, Idaho 83704, U.S.A.
Rost Office Address same as residence

CHECK PHEER BOX(ES) FOR ANY OF THE FOLLOW ADDED PAGES(S) WHICH FORM A PART OF THIS DECLARATION

[X] Signature for third and subsequent joint inventors. Number of pages added _1_
[] Signature by administrator(trix), executor(trix) or legal representative for deceased or incapacitated inventor. Number of pages added
[] Signature for inventor who refuses to sign or cannot be reached by person authorized under 37 CFR 1.47. Number of pages added
• • •
[X] Added pages to combined declaration and power of attorney for divisional, continuation-in-part (CIP) application.
Number of pages added _1
[] Authorization of attorney(s) to accept and follow instructions from representative.
if no further pages form a part of this Declaration then end this Declaration with this page and check the following item.
[] This declaration ends with this page.

TO COMBINED DECLARATION AND PO FOR DIVISIONAL, CONTINUATION, OR CIP APPLICATION

(Complete this part only if this is a divisional, continuation, or CIP application)

IM FOR BENEFIT OF EARLIER U.S./PCT APPLICATION(S) UNDER 35 U.S.C. 120

nereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56 which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application.

PRIOR U.S. APPLICATIONS OR PCT INTERNATIONAL APPLICATIONS DESIGNATING THE U.S. FOR BENEFIT UNDER 35 USC 120:

THE PROPERTY OF THE PROPERTY O			STATUS (Check one)			
U.S. APPLICATIONS	U.S. FILING DATE	Patented	Pending	Aban- doned		
1. 09 /915,179	25 July 2001		Х			
2. 0 /				 		
3. 0 /			<u></u>			

	sedesignajin	arme Volkijos			
PCT APPLICATION NO.	PCT FILING DATE	U.S. SERIAL NOS. ASSIGNED (if any)			
4.					
5.					
6	L			L	

(Added Page to Combined Declaration and Power of Attorney for Divisional Continuation, or CIP Application)

Attorney's Docket No. B-4258CIP 619319-4/RPB				
COMBINED DECLARATION AND POWER OF ATTORNEY ORIGINAL, DESIGN, NATIONAL STAGE OF PCT, SUPPLEMENTAL, DIVISIONAL, CONTINUATION, OR CIP)				
As a below named inventor, I hereby declare that:				
TYPE OF DECLARATION				
This declaration is of the following type: (check one applicable item below)				
[X] original				
[] design				
[] supplemental NOTE: If the declaration is for an International Application being filed as a divisional,				
NOTE: If the declaration is for an international papers of the continuation or continuation-in-part application, do not check next item; check appropriate one of last three items.				
r a matical stage of PCT				
NOTE: If one of the following 3 items apply, then complete and also attach ADDED PAGES FOR DIVISIONAL, CONTINUATION, OR CIP.				
[] divisional [] continuation				
[X] continuation-in-part (CIP)				
WARNING: If the inventors are each not the inventors of all the claims an explanation of the facts, including the ownership of all the claims at the time the last claimed invention was made, should be submitted.				
My residence, post office address and citizenship are as stated below next to my name. I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:				
TITLE OF INVENTION				
"MANUFACTURING TEST FOR A FAULT TOLERANT MAGNETORESISTIVE SOLID- STATE STORAGE DEVICE"				
SPECIFICATION IDENTIFICATION				
the specification of which: (complete (a), (b) or (c))				
/ - \ / \ 1 in attached hereto				
as I Serial No.				
or [] Express Mail No., as Serial No. not yet known,and was amended on(if applicable).				
NOTE: Amendments filed after the original papers are deposited with the PTO which contain new matter are not accorded a filing date by being referred to in the declaration Accordingly, the amendments involved are those filed with the application papers or in the case of a supplemental declaration, are those amendments claiming matter not encompassed in the original statement of invention or claims. See 37 CFR 1.67.				
(c) [] was described and claimed in PCT International Application No file on as amended under PCT Article 19 (1) on (if any).				

(Declaration and Power of Attorney - Page 1 of 5)

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PRIORITY CLAIM

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(complete (d) or (e))

(d) [] no such applications have been filed.

(e) [] such applications have been filed as follows.

NOTE: Where item (c) is entered above and the International Application which designated the U.S. claimed priority check item (e), enter the details below and make the priority claim.

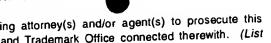
EARLIEST FOREIGN APPLICATION(S), IF ANY, FILED WITHIN 12 MONTHS (6 MONTHS FOR DESIGN(S)) PRIOR TO THIS U.S. APPLICATION

COUNTRY	APPLICATION NUMBER	DATE OF FILING (day, month, year)	PRIORITY CLAIMED UNDER 37 USC 119	
			[]YES []NO	
			[]YES []NO	
. 2			[]YES []NO	
			[]YES []NO	
	=		[] YES [] NO	

ALL FOREIGN APPL CATION(S), IF ANY FILED MORE THAN 12 MONTHS (6 MONTHS FOR DESIGN(S)) PRIOR TO THIS U.S. APPLICATION

POWER OF ATTORNEY





As a named inventor, I hereby ippoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. (List name and registration number)

Richard P. Berg, Reg. No. 28,145 Mavis S. Gallenson, Reg. No. 32,464 Kam C. Louie, Reg. No. 13,008 Ross A. Schmitt, Reg. No. 42,529

John Palmer, Reg. No. 36,885 Peter D. Galloway, Reg. No. 27, 885 William R. Evans, Reg. No. 25, 858

(check the following item, if applicable)

[] Attached as part of this declaration and power of attorney is the authorization of the above-named attorney(s) to accept and follow instructions from my representative(s).

SEND CORRESPONDENCE TO:

DIRECT TELEPHONE CALLS TO: (Name and telephone number)

HEWLETT-PACKARD COMPANY Intellectual Property Administration P.O. Box 272400 Fort Collins, Colorado 80527-2400

Richard P. Berg, Reg. No. 28,145

(323) 934-2300

DECLARATION

I hereby declare that all state nents made herein of my own knowledge are true and that all statements made on informat in and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprison ent, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon. 4 139 The state of the s

SIGNATURE(S)

Full name of sole or first inventor	
Inventor's signature	
Date Country of Citizenship U.S.A.	
Residence 2214 Grainmill Co. 1 Richmond, Virginia 23233, U.S.A.	
Post Office Address same at residence	
Full name of second joint inventor, if any <u>Jonathan Jedwab</u>	
Inventor's signature	
Date Country of Citizenship Great Britain	
Residence Flat 17 Parklands 7 Tyndalls Park Road Bristol, England BS8 IPQ	
Post Office Addressas residence	
Full name of third joint invertor, if any Stephen Morley	
Inventor's signature	
Date Country of Citizenship Great Britain	
Residence 17 Hopkins Close hornbury Bristol BS35 2PX GB	
Post Office Address sam as residence	

(Declaration and Power of Attorney - Page 3 of 5)

Full name of fourth inventor, if any Kenneth Graham Paterso
Full name of fourth inventor, if any
Inventor's signature
Date Country of Citizenship Great Britain
12 Vicerage Road, Teddington, Middlesex TW11 8EZ UK
Post Office Addresssame as residence
Full name of fifth Joint inventor, if any Frederick An Perner
Inventor's signature
Country of Citizenship
Residence 3234 Ramona St. Palo Alto, California 94306, U.S.A.
Residence 3234 Ramona St. Palo Allo, California 0-557
Post Office Addresssame as residence
Full name of sixth joint inventor, if any Kenneth K. Smith
Inventor's signature
Country of Citizenship U.S.A.
Residence 11776 W Bader Dr. Boise, Idaho 83713, U.S.A.
Post Office Addresssame as residence
Full name of seventh joint in rentor, if any Stewart R. Wyatt
Inventor's signature
Country of Citizenship U.S.A.
Residence 10476 Barnsdale Dr. Boise, Idaho 83704, U.S.A.
Post Office Addresssame as residence

CHECK PRO BOX(ES) FOR ANY OF THE FOLLOWING DDED PAGES(S) WHICH FORM A PART OF THIS DECLARATION

[X] Signature for third and subsequent joint inventors. Number of pages added _1_
[] Signature by administrator(trix), executor(trix) or legal representative for deceased or incapacitated inventor. <i>Number of pages added</i>
[] Signature for inventor who refuses to sign or cannot be reached by person authorized under 37 CFR 1.47. Number of pages added
•••
[X] Added pages to combined declaration and power of attorney for divisional,
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Number of pages added _1
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[] This declaration ends with this page.

ADDED PAGE OF COMBINED DECLARATION AND POWER OF ATTORNEY FOR DIVISIONAL, CONTINUATION, OR CIP APPEICATION

(Complete this part only if this is a divisional, continuation, or CIP application)

OIP E COM

CLAIM FOR BENEFIT OF EARLIER U.S./PCT APPLICATION(S) UNDER 35 U.S.C. 120

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56 which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application.

PRIOR U.S. APPLICATIONS OR PCT INTERNATIONAL APPLICATIONS DESIGNATING THE U.S. FOR BENEFIT UNDER 35 USC 120:

U.S. APPLICATIONS		STATUS (Check one)			
U.S. APPLICATIONS	U.S. FILING DATE	Patented	Pending	Aban- doned	
1 09 /915.179	25 July 2001		х		
2. 0 /					
3. 0 /			<u> </u>	<u> </u>	

PCT APPLICATION	S DESIGNATIN	G THE U.S.	T	1
PCT APPLICATION NO.	PCT FILING DATE	U.S. SERIAL NOS. ASSIGNED (if any)		
4 .				
5.				

on ___ (if any).

(Declaration and Power of Attorney - Page 1 of 5)

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

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(complete (d) or (e))

(d) [] no such applications have been filed.

(e) [] such applications have been filed as follows.

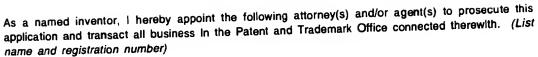
NOTE: Where item (c) is entered above and the International Application which designated the U.S. claimed priority check item (e), enter the details below and make the priority claim.

EARLIEST FOREIGN APPLICATION(S), IF ANY, FILED WITHIN 12 MONTHS (6 MONTHS FOR DESIGN(S)) PRIOR TO THIS U.S. APPLICATION

COUNTRY	APPLICATION NUMBER	DATE OF FILING (day, month, year)	PRIORITY CLAIMED UNDER 37 USC 119
			[]YES []NO
			[]YES []NO
			[]YES []NO
			[]YES []NO
			[]YES []NO

ALL FOREIGN APPLICATION(S), IF ANY FILED MORE THAN 12 MONTHS (6 MONTHS FOR DESIGN(S)) PRIOR TO THIS U.S. APPLICATION





Richard P. Berg, Reg. No. 28,145 Mavis S. Gallenson, Reg. No. 32,464 Kam C. Louie, Reg. No. 33,008 Ross A. Schmitt, Reg. No. 42,529

John Palmer, Reg. No. 36,885 Peter D. Galloway, Reg. No. 27, 885 William R. Evans, Reg. No. 25, 858

(check the following item, if applicable) [] Attached as part of this declaration and power of attorney is the authorization of the above-named attorney(s) to accept and follow instructions from my representative(s). DIRECT TELEPHONE CALLS TO: SEND CORRESPONDENCE TO: (Name and telephone number) HEWLETT-PACKARD COMPANY Richard P. Berg, Reg. No. 28,145

Intellectual Property Administration P.O. Box 272400 Fort Collins, Colorado 80527-2400

(323) 934-2300

DECLARATION

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on Information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

SIGNATURE(S)

Full name of sole or first inventor
Inventor's signature
Date Country of Citizenship U.S.A.
Residence _2214 Grainmill Court Richmond, Virginia 23233, U.S.A.
Post Office Address <u>same as residence</u>
Full name of second joint inventor, if any
Date Country of Citizenship Great Britain
Residence Flat 17 Parklands 27 Tyndalls Park Road Bristol, England BS8 IPQ
Post Office Addresssame as residence
Full name of third joint inventor, if any <u>Stephen Morley</u> Inventor's signature
Date Country of Citizenship Great Britain
Residence 17 Hopkins Close Thornbury Bristol BS35 2PX GB
Post Office Addresssame as residence

(Declaration and Power of Attorney - Page 3 of 5)

Full name of fourth inventor, if any Kenneth Graham Paterso
Full name of fourth inventor, if any Kennem Granam Factors
Inventor's signature
Date Country of Citizenship Great Britain
Residence 13 Vicarage Road, Teddington, Middlesex TW11 8EZ UK
Post Office Addresssame as residence
Full name of fifth joint inventor, if any Frederick A. Pemer
Liverage cigneture
Country of Citizenship U.S.A.
Residence 3234 Ramona St. Palo Alto, California 94306, U.S.A.
Post Office Addresssame as residence
Full name of sixth joint Inventor, if any Kenneth K. Smith
Investoria signatura Vitt h. htt
Date 7 Dec 700 Country of Citizenship U.S.A.
Residence 11776 W. Rader Dr. Boise, Idaho 83713, U.S.A.
Post Office Addresssame as residence
Post Office Address
Full name of seventh joint inventor, if any Stewart R. Wyatt
Inventor's signature
Date 12 6 200 1 Country of Citizenship U.S.A.
Residence 10476 Barnsdale Dr. Boise, Idaho 83704, U.S.A.
Residence 104/6 Barnsgale Ur. Duise, Idanio 65/77, 5/5/1
Post Office Addresssame as residence

CHECK PROPER BOX(ES) FOR ANY OF THE FOLLOWING DED PAGES(S) WHICH FORM A PART OF THIS DECLARATION

[X] Signature for third and subsequent joint inventors. Number of pages added _1_
[] Signature by administrator(trix), executor(trix) or legal representative for deceased or
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[] Signature for inventor who refuses to sign or cannot be reached by person authorized under 37 CFR 1.47. Number of pages added
• • •
[X] Added pages to combined declaration and power of attorney for divisional,
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Number of pages added _1
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* • •
If no further pages form a part of this Declaration then end this Declaration with this page and check the following item.
-[-] This declaration ends with this page.

ADDED PA TO COMBINED DECLARATION AND POWER ATTORNEY FOR DIVISIONAL, CONTINUATION, OR CIP APPLICATION

(Complete this part only if this is a divisional, continuation, or CIP application)



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OFRICINALLY FILED

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U.S. APPLICATIONS		STATUS (Check one)			
U.S. APPLICATIONS	U.S. FILING DATE	Patented	Pending	Aban- doned	
1. 09 /915,179	25 July 2001		Х		
2. 0 /					
3. 0 /			<u> </u>		

PET APPLICATION	S DESIGNATIN	G THE U.S.		
PCT APPLICATION NO.	PCT FILING DATE	U.S. SERIAL NOS. ASSIGNED (if any)		
4.				
5.				
6				